

MINIATURE CIRCUIT BREAKERS (MCB)

DESCRIPTION



- In accordance with european and international standards:

- EN 60898-1 | IEC 60898-1: "Circuit Breakers for Overcurrent Protection for household and similar installations".



- Installation in DIN rail track, in Panelboards.

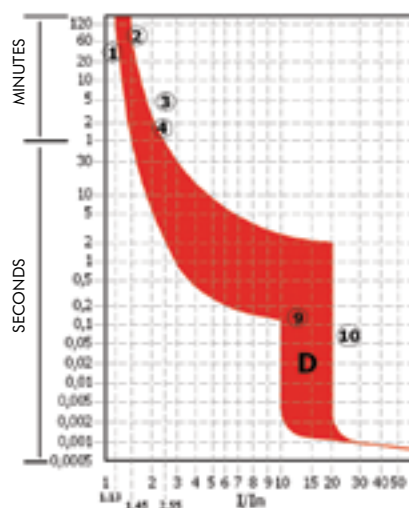
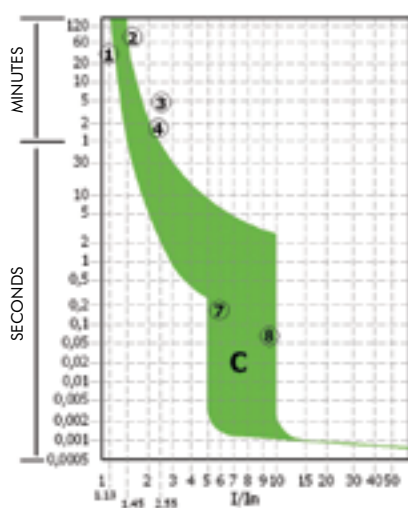
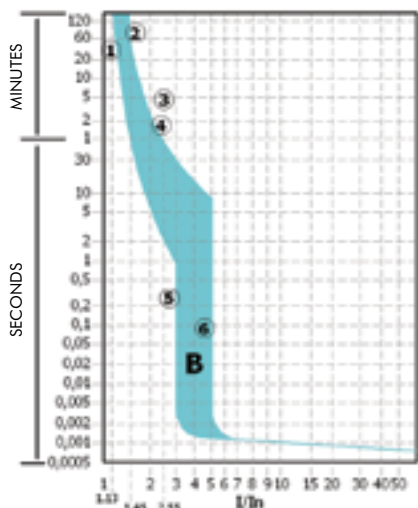
OPERATION

- Magnetic operation.
- Thermal operation.

CHARACTERISTICS

- Number of poles: 1;1P+N; 2; 3; 4.
- Voltage: 230/400V.
- Rated current: 1; 2; 3; 4; 6; 10; 16; 20; 25; 32; 40; 50; 63.
- Tripping curves: B; C; D.
- Breaking capacity (I_{cn}): 4,5kA; 6kA; 10kA.
- Frequency: 50/60Hz.
- Energy limitation class: 3.
- Maximum voltage pulse: 6,2KV.
- Mechanical useful life: >20000 cycles.
- Electrical useful life: >8000 cycles.
- Connection by "U" Type Busbar.
- Connection by Pin Type Busbar.
- Terminals capacity: 25mm².
- Terminals height: 19mm.
- Maximum tightening torque: 2,0Nm.
- Mounting on symmetrical 35mm DIN rail track.
- Ambient temperature: -5°C a 40°C.

TRIPPING CURVES



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OPERATING TIME WHEN OPERATING IN OVERLOAD:

CURRENT	OPERATING TIME	ZONE
1,13 I _n	T ≥ 1 HOUR	①
1,45 I _n	T < 1 HOUR	②
2,55 I _n	I _n ≤ 32A ⇒ t < 60 SEC.	③
	I _n > 32A ⇒ t < 120 SEC.	④

OPERATING TIME WHEN OPERATING IN SHORT-CIRCUIT:

TRIPPING CHARACTERISTICS	CURRENT	OPERATING TIME	ZONE	USE
B	3 I _n	t ≥ 0,1 SEC.	⑤	PROTECTION OF ELECTRICAL CIRCUITS WITH RESISTIVE LOADS.
	5 I _n	t < 0,1 SEC.	⑥	
C	5 I _n	t ≥ 0,1 SEC.	⑦	CIRCUITS PROTECTION OF GENERAL USE.
	10 I _n	t < 0,1 SEC.	⑧	
D	10 I _n	t ≥ 0,1 SEC.	⑨	PROTECTION OF ELECTRICAL CIRCUITS WITH LOADS THAT PRODUCE CURRENT PEAK.
	20 I _n	t < 0,1 SEC.	⑩	

DIMENSIONS (mm)

